

WHAT IS CLAIMED IS:

1. A liquid medication cartridge comprising: an accommodating portion for accommodating a liquid medication; a liquid discharge portion having a
5 discharge port for discharging the liquid medication by using an ink jet technique; a communicating means for establishing communication between the accommodating portion and the liquid discharge portion; and a filling means for filling the liquid
10 discharge portion with the liquid medication.

2. A liquid medication cartridge according to Claim 1, characterized in that no absorbing member is accommodated in the accommodating portion.

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3. A liquid medication cartridge according to Claim 1, characterized in that the communicating means for establishing communication between the liquid discharge portion and the accommodating
20 portion has a film isolating the liquid discharge portion from the accommodating portion, and a piercing member provided on the liquid discharge portion or the accommodating portion, the piercing member piercing the isolating film to establish
25 communication between the liquid discharge portion and the accommodating portion.

4. A liquid medication cartridge according to Claim 1, characterized in that the communicating means for establishing communication between the liquid discharge portion and the accommodating portion opens a communication passage blocked by a pressure applied from outside by reducing the pressure.

5. A liquid medication cartridge according to Claim 1, characterized in that after establishment of communication between the liquid discharge portion and the accommodating portion, the liquid discharge portion is filled with the liquid contained in the accommodating portion.

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6. A liquid medication cartridge according to Claim 1, characterized in that an inner volume of the accommodating portion is reduced by deforming a part of the accommodating portion, to fill the liquid discharge portion with the liquid contained in the accommodating portion.

7. A liquid medication cartridge according to Claim 6, characterized in that a ratio of the inner volume of the accommodating portion reduced by deforming a part of the accommodating portion is 40% or less of the inner volume of the entire

accommodating portion.

8. A liquid medication cartridge according to Claim 1, characterized in that an inner volume of the
5 accommodating portion is reduced by causing a
piercing member provided on the liquid discharge
portion to enter the accommodating portion, to fill
the liquid discharge portion with the liquid
contained in the accommodating portion.

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9. A liquid medication cartridge according to Claim 1, characterized in that a ratio of the liquid
overflowing from the liquid discharge portion when
filling the liquid discharge portion with the liquid
15 contained in the accommodating portion is 20% or less
of an inner volume of the entire accommodating
portion.

10. An inhaler allowing a user to inhale a
20 medication as liquid droplets, characterized by
comprising: a retaining portion for retaining the
liquid medication cartridge as claimed in any one of
Claims 1 through 9; and a control means for
controlling a liquid discharge portion.

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11. An inhaler according to Claim 10 formed as
a portable device capable of being carried about.

12. An inhaler allowing a user to inhale a medication through an inhaling port, comprising: a retaining portion for retaining the liquid medication cartridge as claimed in any one of Claims 1 through 5 9; and a pressure detecting portion for detecting a negative pressure which is a pressure difference from the atmospheric pressure generated at a time of inhalation by the user, characterized in that the discharge port of the liquid medication discharge 10 portion is arranged at a position where a pressure is generated that is smaller than the pressure difference from the atmospheric pressure detected by the pressure detecting portion at the time of inhalation.

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